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PTO/SB/05 (08-00)

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

|                        |  |
|------------------------|--|
| Attorney Docket No.    | 0609.4430001/JAG/CMB   |
| First Inventor         | F. Richard Bringham  |
| Title                  | Screening Assays for G Protein Coupled Receptor Agonists and Antagonists |
| Express Mail Label No. |  |

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 10]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 10]
5. ☒ Oath or Declaration [Total Pages 2]  
a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR §§  
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program  
(Appendix)  
Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Request to Open New Disk File  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Two Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Other: Authorization under 37 C.F.R. § 1.136(a)(3)  
☒ Other: Letter to PTO Draftsman: Submission of Formal Drawings  
☒ 11 Sheets of Formal Drawings 1A, 1A-1, 1B, 1B-1, 2A, 2B, 3, 4A, 4B, 5A, 5B, 5C, 5D, 6A, 6B, 7, 8, 9, and 10

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No: 08/903,977  
Prior application information: Examiner Ulm, J. Group/Art Unit: 1646

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

|         |   |           |                |          |                |
|---------|---|-----------|----------------|----------|----------------|
| NAME    | STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. |           |                |          |                |
|         | Attorneys at Law                          |           |                |          |                |
| ADDRESS | Suite 600, 1100 New York Avenue, N.W.     |           |                |          |                |
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|                   |                    |                                   |          |
|-------------------|--------------------|-----------------------------------|----------|
| NAME (Print/Type) | Jorge A. Goldstein | Registration No. (Attorney/Agent) | 29,021   |
| SIGNATURE         |                    | Date                              | 10/27/00 |

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SKGF Rev 9/19/00 mac 609443-1sb05

**STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.**

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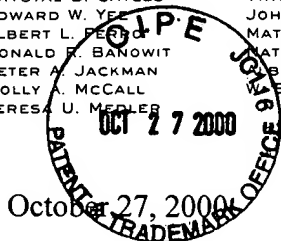
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\*\*REGISTERED PATENT AGENTS



INTERNET ADDRESS: JGOLD@SKGF.COM

Commissioner for Patents  
Washington, D.C. 20231

**Box: Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. To be assigned; Filed: Herewith  
(Continuation of Appl. No. 08/903,977; Filed: July 31, 1997)  
For: **Screening Assays for G Protein Coupled Receptor Agonists and Antagonists**  
Inventors: Bringhurst *et al.*  
Our Ref: 0609.4430001/JAG/CMB

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17) (in duplicate);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05) (in duplicate);
3. U.S. Utility Patent Application entitled:

**Screening Assays for G Protein Coupled Receptor Agonists and Antagonists**

Commissioner for Patents  
October 27, 2000  
Page 2

and naming as inventors:

F. Richard Bringhurst, and  
Hisashi Takasu

the application consisting of:

- a. A specification containing:
    - i. 40 pages of description prior to the claims;
    - ii. 2 pages of claims (Claims 1-8);
    - iii. a one (1) page abstract;
  - b. 10 sheets of drawings: (Figures 1-10); and
  - c. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 08/903,977;
4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (in duplicate);
  5. Preliminary Amendment;
  6. Letter to PTO Draftsman: Submission of Formal Drawings (in duplicate);
  7. Eleven (11) sheets of Formal Drawings (Figures 1A, 1A-1, 1B, 1B-1, 2A, 2B, 3, 4A, 4B, 5A, 5B, 5C, 5D, 6A, 6B, 7, 8, 9, and 10), approval of which is respectfully requested;
  8. Our Check No. 29268 for \$ 710.00 to cover filing fee for patent application; and
  9. Two (2) return postcards.


It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent

Commissioner for Patents  
October 27, 2000  
Page 3

and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
Jorge A. Goldstein  
Attorney for Applicants  
Registration No. 29,021

P:\USERS\Cbouchez\0609\4430001\609443-1div.cvr

**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

**Complete if Known**

|                      |   |
|----------------------|---|
| Application Number   | To be assigned (Con. of Appl. No. 08/903,977; Filed: July 31, 1997) |
| Filing Date          | Herewith  |
| First Named Inventor | F. Richard Bringhurst   |
| Examiner Name        | To be assigned  |
| Group Art Unit       | To be assigned  |
| Attorney Docket No.  | 0609.4430001/JAG/CMB  |

TOTAL AMOUNT OF PAYMENT (\$)**710.00****METHOD OF PAYMENT (check one)**

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number **19-0036**  
Deposit Account Name **Sterne, Kessler, Goldstein & Fox P.L.L.C.**

- ☐
- Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

- ☐
- Applicant claims small entity status See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☒ Other\*

\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code    | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|-------------------|-----------------|----------------|-----------------|------------------------|----------|
| 101               | 710             | 201            | 355             | Utility filing fee     | 710.00   |
| 106               | 320             | 206            | 160             | Design filing fee      |          |
| 107               | 490             | 207            | 245             | Plant filing fee       |          |
| 108               | 710             | 208            | 355             | Reissue filing fee     |          |
| 114               | 150             | 214            | 75              | Provisional filing fee |          |
| SUBTOTAL (1) (\$) |                 |                |                 |                        | 710.00   |

**2. EXTRA CLAIM FEES**

|                         | Extra | Fee from below | Fee Paid |
|-------------------------|-------|----------------|----------|
| Total Claims 4 - 20** = | 0     | X 18           | = 0.00   |
| Indep. Claims 1 - 3** = | 0     | X 80           | = 0.00   |
| Multiple Dependent      |       |                | =        |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 103            | 18              | 203            | 9               | Claims in excess of 20                                    |
| 102            | 80              | 202            | 40              | Independent claims in excess of 3                         |
| 104            | 270             | 204            | 135             | Multiple dependent claim                                  |
| 108            | 80              | 209            | 40              | **Reissue independent claims over original patent         |
| 110            | 18              | 210            | 9               | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 0.00

\*\* or number previously paid, if greater; For Reissues, see above

**3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee paid |
|----------|----------|----------|----------|--|----------|
| 105      | 130      | 205      | 65       | Surcharge - late filing fee or oath  |          |
| 127      | 50       | 227      | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139      | 130      | 139      | 130      | Non-English specification  |          |
| 147      | 2,520    | 147      | 2,520    | For filing a request for ex parte reexamination                            |          |
| 112      | 920*     | 112      | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113      | 1,840*   | 113      | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 115      | 110      | 215      | 55       | Extension for reply within first month                                     |          |
| 116      | 390      | 216      | 195      | Extension for reply within second month                                    |          |
| 117      | 890      | 217      | 445      | Extension for reply within third month                                     |          |
| 118      | 1,390    | 218      | 695      | Extension for reply within fourth month                                    |          |
| 128      | 1,890    | 228      | 945      | Extension for reply within fifth month                                     |          |
| 119      | 310      | 219      | 155      | Notice of Appeal   |          |
| 120      | 310      | 220      | 155      | Filing a brief in support of an appeal                                     |          |
| 121      | 270      | 221      | 135      | Request for oral hearing   |          |
| 138      | 1,510    | 138      | 1,510    | Petition to institute a public use proceeding                              |          |
| 140      | 110      | 240      | 55       | Petition to revive - unavoidable   |          |
| 141      | 1,240    | 241      | 620      | Petition to revive - unintentional   |          |
| 142      | 1,240    | 242      | 620      | Utility issue fee (or reissue)   |          |
| 143      | 440      | 243      | 220      | Design issue fee   |          |
| 144      | 600      | 244      | 300      | Plant issue fee  |          |
| 122      | 130      | 122      | 130      | Petitions to the Commissioner  |          |
| 123      | 50       | 123      | 50       | Petitions related to provisional applications                              |          |
| 126      | 240      | 126      | 240      | Submission of Information Disclosure Stmt                                  |          |
| 581      | 40       | 481      | 40       | Recording each patent assignment per property (times number of properties) |          |
| 146      | 710      | 246      | 355      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 149      | 710      | 249      | 355      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 179      | 710      | 279      | 355      | Request for Continued Examination (RCE)                                    |          |
| 169      | 900      | 169      | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify):

Other fee (specify):

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

**SUBMITTED BY****Complete (if applicable)**

|                   |                    |                                   |        |           |              |
|-------------------|--------------------|-----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | Jorge A. Goldstein | Registration No. (Attorney/Agent) | 29,021 | Telephone | 202-371-2600 |
| Signature         |                    |                                   |        | Date      | 10/27/00     |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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